

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.76	05/08/2018 05/08/2018	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				
DWR ID	DWR_RD0017_01_s_2013_1				
Comment Code					
Inspector Comment					
LMA has a copy of the manual on file.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				
DWR ID	DWR_RD0017_01_s_2013_2				
Comment Code					
Inspector Comment					
LMA has adequate flood fight supplies.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 French Camp Slough	Left	1.76	05/08/2018 05/08/2018	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_RD0017_01_s_2013_3				
Comment Code					
Inspector Comment					
District staff are involved in training sponsored by DWR.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	9
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.911286 °	37.915972 °	
			-121.291131 °	-121.320705 °	
DWR ID	DWR_RD0017_01_s_2018_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	10
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.911282 °	37.915972 °	
			-121.291136 °	-121.320705 °	
DWR ID	DWR_RD0017_01_s_2018_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 French Camp Slough	Left	1.76	05/08/2018 05/08/2018	Richard Willoughby

LM Start	0.71	Rating **	M	Issue No.	11
LM End	0.71	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.914831 °	37.914831 °
				-121.301732 °	-121.301732 °
DWR ID	DWR_RD0017_01_s_2018_11				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on landside slope and toe.					

Photo 1 of 1 : SP_2018_RD0017_303_11_20180511_00017.jpg



Looking west at tree limbs on landward slope and toe. (Spring 2018)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	78
LM End	14.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.915972 °	37.772164 °	
			-121.320708 °	-121.289247 °	
DWR ID	DWR_RD0017_02_s _ 2018_78				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	81
LM End	14.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.915973 °	37.772164 °	
			-121.320709 °	-121.289246 °	
DWR ID	DWR_RD0017_02_s _ 2018_81				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	0.07	Rating **	M	Issue No.	69
LM End	0.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.915214 °	37.915214 °
				-121.321587 °	-121.321587 °
DWR ID	DWR_RD0017_02_f_2017_69				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.12	Rating **	M	Issue No.	71
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.914598 °	37.914598 °
				-121.322097 °	-121.322097 °
DWR ID	DWR_RD0017_02_s_2017_71				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.25	Rating **	M	Issue No.	2
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.913048 °	37.913048 °
				-121.323561 °	-121.323561 °
DWR ID	RD0017U02RM43.51				
Comment Code					
Inspector Comment					
09/13/2017: Erosion occurs along the levee toe. [2017 Site ID:RD0017U02RM43.51]					

Photo 1 of 4 : SP_2018_RD0017_304_2_20180323_00003.jpg



Front view of the erosion.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	0.25	Rating **	M	Issue No.	2 (cont)	
LM End	0.26	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.913048 °	37.913048 °	
				-121.323561 °	-121.323561 °	
DWR ID	RD0017U02RM43.51					
Comment Code						
Inspector Comment						
09/13/2017: Erosion occurs along the levee toe. [2017 Site ID:RD0017U02RM43.51]						

Photo 2 of 4 : SP_2018_RD0017_304_2_20180323_00004.jpg



Front view of the erosion.

LM Start	0.25	Rating **	M	Issue No.	2 (cont)
LM End	0.26	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SP_2018_RD0017_304_2_20180323_00005.jpg



Front view of the erosion.

LM Start	0.25	Rating **	M	Issue No.	2 (cont)
LM End	0.26	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SP_2018_RD0017_304_2_20180323_00006.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	0.69	Rating **	A/W	Issue No.	72
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.906868 °	37.906868 °
				-121.324043 °	-121.324043 °
DWR ID	DWR_RD0017_02_s_2017_72				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.91	Rating **	M	Issue No.	3
LM End	0.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.904310 °	37.904310 °
				-121.323386 °	-121.323386 °
DWR ID	RD0017U02RM44.14				
Comment Code					
Inspector Comment					
09/13/2017: The erosion is located upstream of a big tree. [2017 Site ID:RD0017U02RM44.14]					

Photo 1 of 3 : SP_2018_RD0017_304_3_20180323_00007.jpg



Front view of the erosion.

LM Start	0.91	Rating **	M	Issue No.	3 (cont)
LM End	0.91	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2018_RD0017_304_3_20180323_00008.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	0.91	Rating **	M	Issue No.	3 (cont)	
LM End	0.91	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.904310 °	37.904310 °	
				-121.323386 °	-121.323386 °	
DWR ID	RD0017U02RM44.14					
Comment Code						
Inspector Comment						
09/13/2017: The erosion is located upstream of a big tree. [2017 Site ID:RD0017U02RM44.14]						

Photo 3 of 3 : SP_2018_RD0017_304_3_20180323_00009.jpg



Looking downstream at the erosion.

LM Start	1.43	Rating **	M	Issue No.	70
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.897508 °	37.897508 °
				-121.326671 °	-121.326671 °
DWR ID	DWR_RD0017_02_f_2017_70				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0017_304_70_20180323_00011.jpg



Looking east at the landside slope.

LM Start	1.43	Rating **	M	Issue No.	75
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.897467 °	37.897467 °
				-121.326690 °	-121.326690 °
DWR ID	DWR_RD0017_02_f_2017_75				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0017_304_75_20180323_00013.jpg



Looking west at the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	4.84	Rating **	M	Issue No.	82
LM End	4.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.856633 °	37.856633 °	
			-121.319411 °	-121.319411 °	
DWR ID	DWR_RD0017_02_f_2017_82				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	5.49	Rating **	A/W	Issue No.	74
LM End	5.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.850540 °	37.850540 °	
			-121.320413 °	-121.320413 °	
DWR ID	DWR_RD0017_02_s_2017_74				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	7.58	Rating **	M	Issue No.	25
LM End	7.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.828095 °	37.827920 °	
			-121.309945 °	-121.309847 °	
DWR ID	DWR_RD0017_02_s_2012_25				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	8.04	Rating **	M	Issue No.	84
LM End	8.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.824344 °	37.824344 °
				-121.312455 °	-121.312455 °
DWR ID	DWR_RD0017_02_f_2017_84				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	8.05	Rating **	M	Issue No.	77
LM End	8.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.824447 °	37.824487 °
				-121.312692 °	-121.312785 °
DWR ID	DWR_RD0017_02_f_2017_77				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	9.24	Rating **	M	Issue No.	85
LM End	9.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.815269 °	37.815269 °
				-121.316805 °	-121.316805 °
DWR ID	DWR_RD0017_02_f_2017_85				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2018_RD0017_304_85_20180323_00015.jpg



Looking north at landside slope.

LM Start	9.29	Rating **	M	Issue No.	9
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.815270 °	37.815270 °
				-121.317692 °	-121.317692 °
DWR ID	DWR_RD0017_02_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Bamboo & elderberries at landside toe.					

Photo 1 of 1 : SP_2018_RD0017_304_9_20180323_00010.jpg



Looking east at bamboo and elderberries at landward toe.

LM Start	10.64	Rating **	M	Issue No.	80
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805787 °	37.805787 °
				-121.322022 °	-121.322022 °
DWR ID	DWR_RD0017_02_s_2015_80				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	138
LM End	12.14	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.793831 °	37.793831 °	
			-121.305989 °	-121.305989 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:40702
DS_ID:806
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.
FIELD_STRUCT_DESC: *REMOVED* 20-inch steel drainage pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on waterside (WS) shoulder and a flap gate on the WS toe. (20-inch pipe authorized under Permit No. 3799, 1961 - Libbey-Owens-Ford Glass Company; 24-inch pipe removed under Permit No. 15318, 1989 - Libbey-Owens-Ford Glass Co. & Reclamation District 17 [RD0017], 20-inch pipe installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003, 20-inch. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 12.16), 20-inch pipe]
FS Date: 2/4/2010

LM Start	12.14	Rating **	M	Issue No.	138 (cont)
LM End	12.14	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_40702_72481.jpg



Overview of levee crown at crossing.

Photo 2 of 3 : UCIP_SP_2018_40702_72480.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	12.14	Rating **	M	Issue No.	138 (cont)
LM End	12.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.793831 °	37.793831 °
				-121.305989 °	-121.305989 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:40702

DS_ID:806

EP_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: No pipe found during site visit only air valve and power meter. Dense vegetation along waterward slope recommend clearing vegetation from slope to conduct proper pipe inspection. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.

FIELD_STRUCT_DESC: *REMOVED* 20-inch steel drainage pipe through the levee 5-feet below the crown. Siphon breaker in steel riser on waterside (WS) shoulder and a flap gate on the WS toe. (20-inch pipe authorized under Permit No. 3799, 1961 - Libbey-Owens-Ford Glass Company; 24-inch pipe removed under Permit No. 15318, 1989 - Libbey-Owens-Ford Glass Co. & Reclamation District 17 [RD0017], 20-inch pipe installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003, 20-inch. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 12.16), 20-inch pipe]

FS Date: 2/4/2010

Photo 3 of 3 : UCIP_SP_2018_40702_72483.jpg



Dense vegetation along waterward slope--abandoned electrical box is visible through dense vegetation.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Unit No. 02 San Joaquin River	Right	14.27	05/08/2018 05/08/2018	Richard Willoughby

LM Start	13.28	Rating **	M	Issue No.	149
LM End	13.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.779470 °	37.779470 °
				-121.299953 °	-121.299953 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:40715
 DS_ID:809
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: No information was obtained from desk study. This crossing was found during field visit. Need to contact owner to obtain additional details about crossing (installation date and permit) and status.
 FIELD_STRUCT_DESC: *ABANDONED* [Reclamation District No. 17 Drainage Plant] 18-inch drainage pipe of unknown material through the levee, 5.8 feet below the crown. Gate valve and siphon breaker on the waterside (WS) slope. Flap gate on the WS end. One CM cutoff wall. Pump on the landside (LS). (18-inch pipe Installed by USACE in 1961 -- no permit found; existing 18-inch pipe removed under Permit No. 14450, 1988 - R. H. Brown, two 18-inch pipes installed) [Additional Reference(s): DWR Levee Logs, 1981, 2003. USACE San Joaquin O&M Manual Unit No. 2, May 1963, (HLM 13.36)]
 FS Date: 2/4/2010

LM Start	13.28	Rating **	M	Issue No.	149 (cont)
LM End	13.28	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_40715_72548.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_SP_2018_40715_72551.jpg



View of waterward side, photo 1 of 2.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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